

Planning Guide for Third Grade Science

Topic	PWC Objective(s)	Suggested Time Allocation	PWC Strand	Supporting SOL
Basic Science Skills	3.1 / Infused observe, predict, classify objects, develop questions use metric units, organize data into charts and graphs; measure temperature and time, infer and conclude, sequence chronologically	4 weeks (Infused throughout with content-specific objectives. Skills are reinforced with hands-on activities.)	Reasoning and Logic	3.1 a-k
Organism Adaptations and Interactions	3.2.1 behavioral adaptations (hibernation, migration, instinct, and learned behavior); physical adaptations (camouflage, mimicry)	3 weeks	Life Science	3.4 a-b
	3.2.2 feeding relationships in food chains (producer, consumer, decomposer; herbivore, carnivore, omnivore; predator-prey)	3 weeks	Life Science	3.5a-c
	3.2.3 water related and dry land environments, populations, ecosystems, plant and animal life cycles in aquatic and terrestrial environment	3 weeks	Life Science	3.6 a-b 3.8b
Energy Resources and Conservation	3.3.1 energy sources, sun, fossil fuels, renewable and nonrenewable	3 weeks	Environmental Science	3.11 a-d
	3.3.2 natural events and human influences can affect the survival of a species	3 weeks	Environmental Science	3.10 a-d
Simple/ Complex Machines	3.4.1 types and functions of simple/complex machines	4 weeks	Physical Science	3.2 a-d
Matter	3.4.2 objects can be described by the materials they are made of and their physical properties	4 weeks	Physical Science	3.3 a-c
Earth-Moon-Sun Relationships	3.5.1 basic sequences and cycles related to the Earth, moon, and sun	4 weeks	Earth and Space Science	3.8 a
Soil	3.5.2 soil components, properties of soil, weathering and erosion of land surface, soil conservation	4 weeks	Earth and Space Science	3.7 a-d 2.7 b

Note: Virginia Standard of Learning 2.7a (weathering and erosion) has been moved from Grade 2 to Grade 3 and included with concepts related to soil. Virginia Standard of Learning 3.9 a-d (the water cycle) has been moved from Grade 3 to Grade 2 and included with concepts related to weather.